A WILDLIFE BIBLIOGRAPHY OF THE SUN RIVER, MONTANA

1973

by

Harold D. Picton

and

Irene E. Picton

STATE DOCUMENTS DEC 1 2 1975

MONTANA STATE LIBRARY 930 East Lyndale Avenue Helena, Montana 59601

Prepared for THE MONTANA FISH AND GAME DEPARTMENT

December, 1974



TABLE OF CONTENTS

	age
GENERAL REFERENCES	1
CEOLOGY AND CLIMATE REFERENCES	18
VEGETATION AND RANGE REFERENCES	20
ELK REFERENCES	23
Elk Census Elk Seasons Elk Harvest Other Elk References	28 29
DEER REFERENCES (WHITETAILED AND MULE DEER)	37
MOUNTAIN SHEEP REFERENCES	41
BLACK AND GRIZZLY BEAR REFERENCES	45
REFERENCES PERTAINING TO OTHER SPECIES	48



GENERAL REFERENCES

Armstrong, M. K. 1901. The early empire builders of the great west. E. W. Porter, St. Paul, Minn. 455 pp.

- Armstrong, J. S. 1968. Trial and triumph. The Chinook Opinion, Chinook, MT. 211 pp.
- Anon. 1901. Lewis and Clark Forest Reserve, cattle and horse grazing permits. Handwritten permit booklet. Lewis and Clark Natl. Forest, Great Falls, MT.
- Anon. 1937. Informational report and recommendations for the Sun River elk herd. Typed rep., MT. Fish and Game Dept. 9 pp.
- _____. 1938. Informational report and recommendations for the Sun River elk herd. Typed rep., MT. Fish and Game Dept. 13 pp.
- Anon. 1972. Environmental impact statement: Termination of legislative designation of the Sun River Game Preserve. Montana Fish and Game Dept. report FG-25; 58 pp.
- Ayres, H. B. 1900. The Lewis and Clarke Forest Reserve, Montana. Washington, D. C. 80 p.

Bozeman Chronicle, March 10, 1974. Game preserve.

- Burroughs, R. D. 1961. The natural history of the Lewis and Clark expedition. Michigan State Univ. Press, pg. 133-140.
- Casagranda, L. G. and J. Callantine. 1958. Land use plans concerning use, protection and development of wildlife habitat -- Four rivers management unit, Lewis and Clark National Forest. U. S. Forest Service and Montana Fish and Game Dept. Mimeo report. 22 pp.
- Cases determined in the Supreme Court: March term, 1940. Montana Reports. 1940. Vol. 110:225-249.
- Cooney, R. 1940. The Sun River elk herd. Typed rep., MT. Fish and Game Dept. 83 pp.

. 1941. Sun River elk fence. Typed rep., MT. Fish and Game Dept. 2 pp.



Cushman, D. 1966. The great north trail; America's route of the ages. McGraw-Hill, N. Y. 383 pp.

Environmental News. Sept. 1973. Game Preserve.

Fisk, R. E. Prospecting expedition up Sun River Valley in 1866 by members of Capt. Jas. L. Fisk's party. Ms. copy from original diary of Phoebe Train. Montana Historical Library, Helena, MT.

Great Falls Tribune. May 14, 1885. Buffalo hunting.

June 11, 1885. Grizzly bounty.

_____. Aug. 29, 1885. Duck hunting.

_____. Sept. 12, 1885. Fires.

_____. Sept. 19, 1885. Wolves and grizzlies.

. Nov. 14, 1885. Hunting at Great Falls.

_____. Dec. 12, 1885. Buffalo.

. Jan. 2, 1886. Game meat.

_____. Jan. 30, 1886. Populations.

. Feb. 6, 1886. Buffalo.

_____. Feb. 26, 1886. Game populations.

_____. April 3, 1886. Swan migration.

_____. May 22, 1886. Irrigation.

. Oct. 2, 1886. Fishing and buffalo jump.

_____. Dec. 18, 1886. Sun River valley.

_____. March 22, 1887. Irrigation.

_____. March 26, 1887. Sportsmen.

_____. May 14, 1887. Map.



Great Falls Tribune. June 18, 1887. Buffalo.
June 18, 1887. Flood.
Aug. 6, 1887. Buffalo.
Aug. 16, 1887. Fishing.
Oct. 19, 1887. Railroad.
Feb. 18, 1888. Map.
Feb. 29, 1888. Great Falls.
Feb. 29, 1888. Hunting.
March 24, 1888. People.
. May 4, 1888. Waterfowl season.
June 8, 1888. Flood.
Sept. 22, 1888. Game meat.
Sept. 25, 1888. Hunting.
Oct. 24, 1888. Hunting.
Nov. 24, 1888. Hunting.
Dec. 1, 1888. Wolves.
Feb. 16, 1889. Wolf and coyote bounty.
Feb. 20, 1889. Laws.
March 2, 1889. Game Wardens.
. March 21, 1889. Game populations.
April 13, 1889. Furs.
April 20, 1889. People.
. Aug. 14, 1889. Fish planting.

-3-



Great Falls Tribune.	Oct. 3, 1890. Prospecting.
·	Oct. 9, 1889. Railroad.
·	Oct. 30, 1889. Fish planting.
·	Oct. 30, 1889. Buffalo.
·	April 5, 1890. Game laws.
	Sept. 25, 1890. Game laws and enforcement.
·	March 14, 1893. Game laws.
·	March 15, 1893. Fishing laws.
·	March 9, 1897. Game laws.
·	Sept. 25, 1900. Game Wardens.
·	Jan. 5, 1901. Seasons.
·	March 14, 1901. Seasons.
·•	Aug. 23, 1907. Game laws.
·	March 2, 1908. Game laws.
	March 16, 1908. Game laws.
·	April 4, 1908. Limits.
	May 7, 1908. Bounties.
·	May 10, 1908. Irrigation.
·	May 3, 1908. Dam.
·	May 23, 1908. Logging.
·	June 4, 1908. Flood.
·	June 13, 1908. Flood.
	Aug. 20, 1908. National Forest.

~4-



	-
Great Falls Tribune.	Feb. 14, 1913. Game Preserve.
·	March 26, 1916. Elk farm.
··	Jan. 3, 1920. Populations.
·	May 3, 1925. Bull frogs.
·	Nov. 25, 1925. Posted land.
·	March 28, 1926. Feeding in Glacier National Park.
·	Jan. 18, 1927. Commission.
·	Jan. 28, 1927. Gibson dam.
·	Feb. 3, 1928. Sheep dieoff.
·	Feb. 3, 1928. Elk and sheep growers.
	May 3, 1928. Commission.
•	Dec. 3, 1930. License fees.
	Dec. 12, 1930. Annual report.
······································	Jan. 30, 1931. License fee.
	March 18, 1931. Agency history.
•	Oct. 25, 1931. Commission.
•	Nov. 6, 1931. Commission.
•	May 7, 1932. Commission.
	May 10, 1932. Commission.
·	May 13, 1932. Commission.
·	May 15, 1932. Commission.
······································	June 3, 1932. Commission.
·	Sept. 8-10, 1932. Backcountry survey.

-5-



	0
Great Falls Tribune.	Oct. 6, 1932. Backcountry survey.
·	Oct. 6, 1932. Wildlife problems.
	Jan. 12, 1933. Authority to kill trespassing elk.
·	Jan. 13, 1933. Salaries.
	Feb. 16, 1933. Elk drive.
·	Aug. 27, 1933. Drawings.
·	Aug. 27, 1933. Harvest quotas.
·	Oct. 11, 1933. Wilderness area.
·	Oct. 14, 1933. B. Neal's study.
·	Oct. 22, 1933. Augusta.
·	Jan. 20, 1935. Federal authority over wildlife.
	Jan. 22, 1935. Commission.
·	March 13, 1935. Licenses.
	May 5, 1935. Cattleman's history.
	Sept. 12, 1935. Federal authority over wildlife.
·	Oct. 6, 1935. Game Preserve.
·	Oct. 6, 1935. Dearborn opened.
·	Oct. 10, 1935. Bounties.
•	Jan. 4, 1935. Backcountry survey.
·	Nov. 23, 1937. Harvest.
	April 18, 1940. State Game Manager.
·	Aug. 30, 1940. Fences and herding.
	Dec. 18, 1940. Herding complaints.



Great Falls Tribune. Jan. 19, 1941. Wildlife funds.
Sept. 30, 1941. Sportsmen.
Oct. 2, 1941. Commission.
June 19, 1942. Salting.
April 25, 1943. Hunting.
June 3, 1947. Salting.
Nov. 25, 1947. Economics of wildlife
Dec. 30, 1947. Game farms.
Feb. 18, 1948. Sun River Game Range.
May 1, 1948. Salting.
May 9, 1948. Sun River Game Range.
May 1, 1949. Sun River Game Range.
Aug. 8, 1949. Gibson Lake.
Dec. 31, 1949. Allen Foundation.
Mar. 21, 1950. Populations.
April 22, 1950. National Forest.
May 23, 1951. Salting.
June 5, 1951. Salting.
July 25, 1951. Dams.
Aug. 2, 1951. Dams.
Dec. 17, 1952. Hunting seasons.
Feb. 2, 1953. Hunters & fishermen.
Feb. 3, 1953. Bounties.

-7-



	-8-
Great Falls Tribune.	Feb. 4, 1953. Salting.
	May 10, 1953. Licks.
	June 4, 1954. Salting.
·	Nov. 27, 1955. Elk.
	Feb. 10, 1956. Elk.
	March 6, 1956. Oil leases.
·	March 11, 1956. Oil leases.
·	March 15, 1956. 011 leases.
·	June 10, 1956. DDT.
·	July 28, 1956. Range inspection.
·	Oct. 22, 1957. Checking stations.
·	Dec. 12, 1958. Game Preserve.
·	Jan. 23, 1959. Commission and Game Preserve.
	Aug. 30, 1959. Range inspection.
·	Sept. 6, 1959. Harvest quota.
	March 29, 1960. Elk study.
·	April 4, 1960. Missile sites.
·	June 10, 1960. Missile sites.
·	Sept. 19, 1960. Commission.
·	Sept. 23, 1960. Commission policy.
··································	Oct. , 1960. Harvest quota.
	Nov. 2, 1960. Elk counts.
·	Nov. 20, 1961. Commission.



Great Falls Tribune.	Sept. 20, 1962. Range inspection.
·	Nov. 1, 1962. Old hunting regulations.
	Dec. 21, 1962. Hunting season.
·	April 17, 1963. Range inspection.
·································	Jan. 5, 1964. Elk tagging.
·	Feb. 12, 1964. Oil leasing.
·	Sept. 6, 1964. Elk study.
·	Nov. 21, 1964. Hunting season.
·	Dec. 3, 1964. Commission policy.
·	Jan. 6, 1965. Letter to editor.
	Sept. 24, 1965. Dam sites.
·	Oct. 12, 1965. Commission.
·	July 14, 1965. Dams.
·	Nov. 17, 1965. Commission.
·	Nov. 19, 1965. Commission history.
·	Nov. 20, 1965. Commission.
·	Nov. 21, 1965. Legislature and commission.
·	Nov. 25, 1965. Editorial support.
	Dec. 1, 1965. Seasons.
·	Sept. 30, 1966. Commission.
·	Oct. 5, 1966. Commission.
·	Nov. 25, 1966. Letter to editor.
·	Nov. 27, 1966. Letter to editor.

-9-



Great Falls Tribune. Feb. 1, 1967. Commission.
. March 31, 1967. Dam.
Sept. 1, 1968. Dam.
Dec. 4, 1968. Game Range.
Jan. 22, 1969. Game Preserve.
Jan. 29, 1969. Game Preserve.
Feb. 2, 1969. Game Preserve.
Jan. 31, 1970. Game Preserve.
Feb. 20, 1970. Game Preserve.
Feb. 27, 1970. Game Preserve.
March 7, 1970. Game Preserve.
March 12, 1970. Letter to editor
April 10, 1970. Letter to editor
May 15, 1970. Herd management.
Oct. 15, 1970. Elk season.
Nov. 3, 1970. Elk season.
Nov. 13, 1970. Hunting season.
Nov. 16, 1970. Letter to editor.
Dec. 4, 1970. Elk harvest.
Dec. 13, 1970. Elk harvest.
Dec. 6, 1970. Game Preserve.
Aug. 17, 1971. Harvest quotas.
Sept. 15, 1971. Letter to editor

-10-



Great Falls Tribune.	Sept. 19, 1971. Letter to editor.
·	Oct. 2, 1972. Abolish Sun River Game Range.
·	Oct. 9, 1972. Game Preserve.
·	Nov. 12, 1972. Letter, Game Preserve.
·	Dec. 7, 1972. Game Preserve.
·	Dec. 8, 1972. Game Preserve.
··	Dec. 19, 1972. Game Preserve.
	Dec. 27, 1972. Game Preserve.
·	Jan. 13, 1973. Game Preserve.
<u> </u>	Jan. 15, 1973. Game Preserve.
	Jan. 21, 1973. Game Preserve.
	Jan. 24, 1973. Game Range.
	Jan. 25, 1973. Game Preserve.
	Jan. 25, 1973. Dams.
	Jan. 29, 1973. Game Preserve.
·	Feb. 9, 1973. Game Preserve.
	Feb. 10, 1973. Game Preserve.
	Feb. 11, 1973. Game Preserve.
	Feb. 11, 1973. Game Range management.
·	Feb. 12, 1973. Game Preserve.
	Feb. 14, 1973. Game Preserve.
	Feb. 19, 1973. Game Preserve.
·	Jan. 19, 1974. Game Preserve.

-11-



	14-
Great Falls Tribune.	Jan. 22, 1974. Game Preserve.
	Jan. 23, 1974. Game Preserve.
	Jan. 27, 1974. Game Preserve.
	Jan. 28, 1974. Letter, Game Preserve.
	Jan. 31, 1974. Letter, Game Preserve.
·	Feb. 24, 1974. Letter, Game Preserve.
	Feb. 7, 1974. Letter, Game Preserve.
·	Feb. 9, 1974. Game Preserve.
·	Feb. 10, 1974. Letter, Game Preserve.
·	Feb. 11, 1974. Letter, Game Preserve.
·	Feb. 17, 1974. Game Preserve.
·	Feb. 24, 1974. Game Preserve.
•	Feb. 26, 1974. Game Preserve.
·	March 7, 1974. Game Preserve.
	March 8, 1974. Game Preserve.
·	March 12, 1974. Game Preserve.
·	March 12, 1974. Game Preserve, 2nd article.
·	March 17, 1974. Letter, Game Preserve.
·•	July 18, 1974. History, Sun River.
·	Oct. 19, 1974. Sun River Game Range.

Fenenga, F. 1951. Appraisal of the archeological and paleontological resources of the Sun River basin, Montana. Missouri River basin survey, Smithsonian Institution mimeo. report. Historical Library of Montana. 5 pp.

-12-



Fickes, C. P. 1970. The old ranger - Forest Ranger 1907. Montana West. 1(2) Summer: 16-20.

Hazel, P. 1971. Personal communication, letter dated July 27, 1971.

. 1971. Personal communication, dated Sept. 13, 1971.

Hill, W. J. 1971. Inventory of waters of the project area - Project F-5-R-20. Job Progress Rep., MT. Fish and Game Dept. 14 p.

History of the expedition under the command of Lewis and Clark. Edited by E. Coues 1893; reprinted by Dover Publ. Co., N. Y., N. Y., Vol. II, pg. 368-373; Vol. III, pg. 1078-1080.

Hodder, R. 1952. Game Range redevelopment survey. Quart. Rep., MT. Fish and Game Dept. July-Sept. :34.

Hunting and Fishing News. Feb. 3, 1973. Game Preserve.

Knight, R. R. and M. R. Mudge. 1967. Characteristics of some natural licks in the Sun River area, Montana. J. Wildl. Mgmt. 31(2): 293-299.

. 1970. The Sun River elk herd. Wildl. Monog. 23: 66 pp.

Koch, E. 1941. Big game in Montana from early historical records. J. Wildl. Mgmt. 5(4): 357-370.

_____. 1970. The old ranger - Region one in the pre-regional office days. Montana West. 1(4) Winter: 6-9.

McDowell, L. 1951. Western Montana big game investigations and recheck. Quart. Rep., MT. Fish and Game Dept. April-June :13-16.

_____. 1952. Game range maintenance through salt distribution. Quart. Rep. 3(2):130.

Merriam, L. G. Jr. 1963. A land use study of the Bob Marshall Wilderness area of Montana. Mont. Forest and Range Exp. Sta. Bull. 269, 190 pp.



Messelt, T. 1971. A layman and wildlife and a layman and wilderness. Montana Stationary Co., Great Falls, MT.

Montana Post Standard. Nov. 25, 1965. Editorial support.

Montana Wildlife Federation News. 1966 Oct. Elk.

Neal, B. 1949. Sun River game range development. Quart. Rep., MT. Fish and Game Dept. Oct.-Dec.

____. 1952. Sun River winter elk range development. Quart. Rep., MT. Fish and Game Dept. July-Sept.:105-106.

_____. 1952. Maintenance of Sun River winter elk range. Quart. Rep., MT. Fish and Game Dept. July-Sept. :109-110.

. 1955. Final report for development projects. Multilithed Rep., Mt. Fish and Game Dept. :1 pp.

_____. 1956. Sun River elk range development. Quart. Rep., MT. Fish and Game Dept. 6(3):78.

_____. and R. Neal. 1950. Sun River winter elk range development. Multilithed Rep., MT. Fish and Game Dept. 1 pp.

Neal, R. 1950. Sun River game range development. Quart. Rep., MT. Fish and Game Dept. Jan.-March :216.

____. 1951. Sun River game range development. Quart. Rep., MT. Fish and Game Dept. Jan.-March :111.

_____. 1952. Sun River winter elk range development. Quart. Rep., MT. Fish and Game Dept. 3(2): 124 & 134.

Phillips, P. C. 1969. The fur trade in Montana. In: The Montana past; and anthology; Editors: M. P. Malone and R. B. Roeder. U. MT. Press, Missoula, MT. 35-60.

Richmond, R. M., R. J. Duncan, R. J. Saylor, J. M. Dollan and D. J. Dufour. 1972. Bob Marshall Wilderness Plan. U. S. Forest Ser. 32 p.



-15-

The Rising Sun. July 17, 1889. Railroad ties.

. Nov. 30, 1889. Lumber.

_____. Oct. 9, 1889. Fort Shaw.

_____. April 16, 1890. Cattle winter losses.

_____. June 11, 1890. Mineral discovery.

Rognrud, M. 1949. A study of big game in the continental and adjacent areas. MT. Fish and Game Dept. Rep. 188 pp.

 1954. Characteristics of natural licks used by wildlife in Montana. Quart. Rep., MT. Fish and Game Dept. April-June: 237.

. 1955. Evaluation of artificial salting and aerial salt distribution. Quart. Rep., MT. Fish and Game Dept. 6(2): 325-355.

Schultz, J. W. 1957. My life among the Indians. Duell, Sloan and Pearce, N. Y. 151 pp.

Stevens, I. 1855. Reports of explorations and surveys to ascertain the most practicable and economical route for a railroad from the Mississippi River to the Pacific Ocean: Survey near the 47th and 49th parallels. U. S. War Dept., Washington, D. C., Vol. 12, Book 1: 120-239.

Stockstad, D. S. 1953. The chemical characteristics of natural licks used by big game animals in western Montana. Quart. Rep., MT. Fish and Game Dept. April 15.

. 1953. Game range maintenance through salt. Quart. Rep., MT. Fish and Game Dept. Oct.-Dec. :144.

. 1954. Supervisor aerial salting in western Montana game units. Quart. Rep., MT. Fish and Game Dept. April-June: 236.

. 1955. Game range maintenance through salt. Quart. Rep., MT. Fish and Game Dept. 6(1): 132.

Sun River Sun. Feb. 14, 1884. Fort Shaw.



Sun River Sun. March 6, 1884. Sun River history.

_____. June 26, 1884. Hot springs.

_____. Aug. 7, 1884. Augusta.

_____. Sept. 11, 1884. Logging.

_____. Sept. 18, 1884. Fishing.

. Oct. 2, 1884. Wolves and grizzlies.

_____. Oct. 9, 1884. Hunting.

_____. Oct. 23, 1889. Irrigation.

_____. Dec. 25, 1884. History.

_____. March 12, 1885. No buffalo hunting.

_____. April 2, 1885. Sulphur.

- Teit, J. A. 1930. The salishan tribes of the western plateaus. Annual Rep. Bur. Amer. Ethnology 45: 303-326.
- Townsend, C. 1915. Trip of Eugene S. Bruce, Expert lumberman of the Forest Service to the Lewis and Clark National Forest, Sept. and Oct., 1912. Typewritten letter, U.S.F.S., Lewis and Clark Natl. Forest. 5 pp.

Twinning, W. J. 1877. Survey of the northern boundary of the United States from the Lake of the Woods to the summit of the Rocky Mountains. Senate Ex. Doc. 41, 44th Congress, 2nd session.

The Valley Tribune. Oct. 6, 1930. Irrigation.

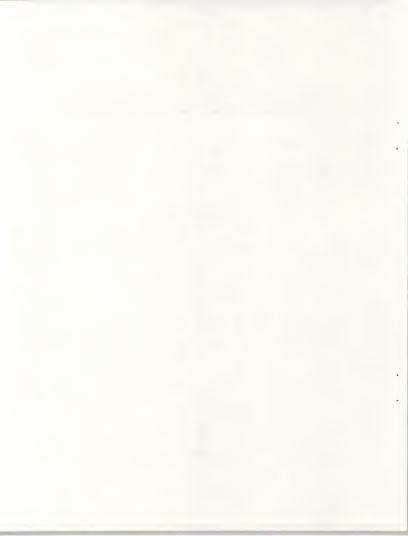
Vaughn, R. 1900. Then and now: or 36 years in the Rockies. Tribune Publ. Co., Minneapolis, MN. 461 pp.

Vaughn, J. C. 1957. Colonel Alfred Jefferson Vaughn - the frontier ambassador. Montana Historical Library, Helena, MT. 461 pp.

Warren, C. K. 1858. Explorations in Nebraska and Dakota in the years 1855-56-57. Government Printing Office, Washington, D. C. 125 pp.



White, T. E. 1948. A preliminary appraisal of the paleontological resources of certain basins and reservoirs in the Missouri River basin. Missouri River Basin Survey. Mimeo. Lincoln, Neb.



GEOLOGY AND CLIMATE REFERENCES

Brooks, C. E. P. 1949. Climate through the ages. Revised Ed. McGraw-Hill, N. Y. 385 pp.

Dorf, E. 1960. Climatic changes of the past and present. Amer. Sci. 48(3): 341-363.

Deiss, C. F. 1943. Structure of the Central Part of the Sawtooth Range, Montana. Geol. Soc. Bull. 54: 1123-1167.

. 1941. Geology of the Bob Marshall Wilderness. Trail riders guide to the Bob Marshall Wilderness. U. S. Forest Service, Northern Region, Missoula MT. 19 pp.

Fritts, Harold C. 1972. Tree rings and climate. Scientific American. 226(5 May): 92-100.

Great Falls Tribune.	March 28, 1926. Weather and range.
	Jan. 28, 1927. Rock excavation.
·	Jan. 4, 1936. Weather and range.
	March 20, 1939. Weather and range.
·	March 29, 1939. Weather and range.
·	April 12, 1940. Weather and range.

Lynch, R. and E. H. Buck. 1942. South Fork of the Flathead. Quart. Rep. MT. Fish and Game Dept. 2 pp.

Mudge, M. R. 1972. Pre-quartenary rocks in the Sun River Canyon area, Northwestern Montana. Geological Survey Professional paper. 663-A. U. S. Government Printing Off., Washington, D. C.

Picton, H. D. and R. R. Knight. 1971. A numerical index of winter conditions of use in big game management. Snow and Ice Symposium, Iowa State University, Ames, Ia. 8 pp.



Rognrud, M. 1949. A study of big game in the continental and adjacent areas. MT. Fish and Game Dept. Rep. 188 pp.

Schultz, W. and C. McNeal. 1941. Game studies, Sun River area. Typed rep., MT. Fish and Game Dept., Nov. 5 pp.

. 1941. Game studies, Sun River area. Typed rep., MT. Fish and Game Dept., Dec. 5 pp.

. 1942. Game studies, Sun River area. Typed rep., MT. Fish and Game Dept., Jan. 6 pp.

. 1942. Game studies, Sun River area. Typed rep., MT. Fish and Game Dept. 7 pp.

. 1942. Weather conditions and effect on elk, Sun River area. Typed rep., MT. Fish and Game Dept. 4 pp.

. 1942. Sun River game investigation and Sun River weather record, 1941-1942. Typed rep., MT. Fish and Game Dept. 36 pp.

. 1942. Sun River game range area. Typed rep., MT. Fish and Game Dept. 9 pp.

Stebinger, E. 1916. Geology and coal resources of north Teton County, Montana. U. S. Geol. Survey Bull. 621: 117-156.



VEGETATION AND RANGE REFERENCES

- Anon. 1938. Informational report and recommendations for the Sun River elk herd. Typed rep., MT. Fish and Game Dept. 13 pp.
- Cooney, R. 1940. Winter elk range-Sun River area. Typed rep., MT. Fish and Game Dept. 4 pp.
- . 1940. The Sun River elk herd. Typed rep., MT. Fish and Game Dept. 83 pp.
- _____. 1941. Elk-winter elk range-Sun River area inspection report. Typed rep., MT. Fish and Game Dept. 4 pp.
- Couey, F. 1946. Sun River game range inspection trip. Typed rep., MT. Fish and Game Dept. 5 pp.

. 1947. Sun River elk damage investigation. Typed rep., MT. Fish and Game Dept. 3 pp.

 . 1948. Flathead-Sun River unit range investigations-Sun River conservation committee. Typed rep., MT. Fish and Game Dept. 3 pp.

- Erickson, G. L. 1972. The ecology of Rocky Mountain bighorn sheep in the Sun River area of Montana with special reference to summer food habits and range movements. Master's thesis, Montana State University, Bozeman. 50 pp.
- Hodder, R. L. 1955. Sun River Game Range Predevelopment Survey, Project W-37-R-6, Job Compl. Rep., MT. Fish and Game Dept. 46 pp.

 Great Falls Tribune.
 Oct. 6, 1932. Range conditions.

 .
 Oct. 11, 1933. Buy winter range.

 .
 Jan. 4, 1936. Observations.

 .
 Jan. 4, 1937. Range observations.

 .
 Dec. 16, 1938. Range observations.

 .
 March 20, 1939. Range observations.



Great Falls Tribune.	June 7, 1939. Range observations.
	Sept. 10, 1941. Range observations.
	April 20, 1943. Range conditions.
··	Aug. 14, 1946. Range observations.
·	May 9, 1948. Winter range purchase.
·	May 1, 1949. Range conditions.
·································	Dec. 31, 1949. Allen foundation and range.
·	Aug. 15, 1950. Range conditions.
·	Aug. 18, 1951. Range conditions.
·	April 22, 1952. Range conditions.
··	Aug. 17, 1954. Range conditions.
·	Jan. 22, 1956. Range conditions.
	July 28, 1956. Range inspection.
·	Aug. 20, 1957. Range conditions.
·	Aug. 30, 1959. Range inspection.
	Sept. 6, 1959. Range conditions.
·	April 4, 1960. Missles and winter range.
	Oct. 22, 1960. Range conditions.
•	Sept. 25, 1961. Range conditions.
·	Sept. 20, 1961. Range inspection.
	April 29, 1963. Range conditions.
······································	Sept. 21, 1965. Range conditions.

-21-



Larson, J. A. 1930. Forest types of the northern Rocky Mountain region and their climatic controls. Ecology 11(4): 631-672.

Nordberg, R. 1972. Trend in soil and vegetative condition summary. U. S. Forest Service, Sun River range district.

Rognrud, M. 1949. A study of big game in the continental and adjacent areas. MT. Fish and Game Dept, report.

Schultz, W. 1942. Sun River area quarterly report. Typed, MT. Fish and Game Dept. 8 pp.

. and C. McNeal. 1941. Game studies, Sun River area. Typed rep., MT. Fish and Game Dept., Nov. 5 pp.

. 1942. Game studies, Sun River area. Typed rep., MT. Fish and Game Dept., Jan. 6 pp.

. 1942. Game studies, Sun River area. Typed rep., MT. Fish and Game Dept. 7 pp.

 1942. Weather conditions and effect on elk, Sun River area. Typed rep., MT. Fish and Game Dept. 4 pp.

. 1942. Sun River game range area. Typed rep., MT. Fish and Game Dept. 9 pp.

Sperry, C. 1936. The Sun River Preserve and its' elk herd. Typed report, U. S. Biological Survey. 24 pp.

Steele, R. W. 1960. The role of forest fire in the Bob Marshall Wilderness Area. Mont. Forest and Conser. Exp. Sta. 33 pp.

Stockstad, D. 1952. The characteristics of natural licks used by big game animals in Montana. Quart. Rep., MT. Fish and Game Dept. July-Sept. : 21.

Zajanc, A. and S. Brandborg. 1948. Vegetative readiness and elk migrations in Indian Creek and the West Fork of the Sun River. Quart. Rep., MT. Fish and Game Dept. July-Sept.: 28-32.

* commen we derb Harden 4 SFS Great Falls - not frand.



ELK REFERENCES

Elk Census

- Anon. 1914. Forest guard questionnaire. Typed and handwritten. U.S.F.S., Lewis and Clark Natl. Forest, Great Falls, MT.
- _____. 1937. Informational report and recommendations for the Sun River elk herd. Typed rep., MT. Fish and Game Dept. 9 pp.
- _____. 1938. Informational report and recommendations for the Sun River elk herd. Typed rep., MT. Fish and Game Dept. 13 pp.
- _____. 1948. Cumulative record of big game data. Quart. Rep., MT. Fish and Game Dept. April-June. 12 pp.
- Cooney, R. 1940. The Sun River elk herd. Typed rep., MT. Fish and Game Dept. 83 pp.
- . 1944. Chinese Wall, Sun River elk herd migration study, Supplement 1. Typed rep., MT. Fish and Game Dept. 4 pp.
- _____. 1945. Sun River inspection by air. Typed rep., MT. Fish and Game Dept. 2 pp.
 - . 1945. Chinese Wall, Sun River elk herd migration study, Supplement 2. Typed rep., MT. Fish and Game Dept. 1 pp.
 - _____. 1945. Chinese Wall, Sun River elk herd migration study, Supplement 3. Typed rep., MT. Fish and Game Dept. 2 pp.
- _____. 1947. Flathead-Sun River, Sun River aerial game check. Typed rep., MT. Fish and Game Dept. 5 pp.
- _____. 1951. Aerial survey Sun River. Quart. rep., MT. Fish and Game Dept. Jan.-March: 26-27.
- . 1951. Aerial survey Sun River. Multilith rep., MT. Fish and Game Dept. 1 pp.
- _____. 1954. Sun River aerial count. Typed rep., MT. Fish and Game Dept. 3 pp.
- Couey, F. 1944. Sun River big game range studies and bighorn sheep census. Typed rep., MT. Fish and Game Dept. 6 pp.



Couey, F. 1946. Sun River elk count. Typed rep., MT. Fish and Game Dept. 4 pp.

___. 1947. Sun River elk census by air. Typed rep., MT. Fish and Game Dept. 4 pp.

 1949. Big game sex and age classification and range investigations - Sun River area. Quart. rep., MT. Fish and Game Dept. Oct.-Dec.

_____. 1950. Aerial reconnaissance - Sun River elk herd. Multilith rep., MT. Fish and Game Dept. 2 pp.

_____. 1951. Cumulative record of big game data. Quart. rep., MT. Fish and Game Dept. 17-28.

. 1952. Statistics - Statewide cumulative record of big game data. Quart. rep., MT. Fish and Game Dept. 3(2): 38.

______. 1952. Bighorn sheep count. MT. Quart. rep., MT. Fish and Game Dept. Oct.-Dec.: 26.

Feist, F., A. Schallenberger and R. Watts. 1970. Elk surveys, 1969-1970, District 4. Multilithed rep., MT. Fish and Game Dept. 61 pp.

., C. R. Watts and A. Schallenberger. 1971. Elk surveys, 1970-1971, District 4. Multilithed rep., MT. Fish and Game Dept. 69 pp.

. 1973. Elk surveys, 1971-1972, District 4. Multilithed rep., MT. Fish and Game Dept. 61 pp.

Great Falls Tribune. Jan. 3, 1920. Populations.

_____. Sept. 8-10, 1932. Survey and count.

_____. Oct. 6, 1932. General population estimate.

. Feb. 16, 1933. Population estimate.

_____. Feb. 17, 1933. Aerial count.

. Oct. 6, 1935. Estimate.

Jan. 4, 1936. Survey and count.



-25-	~	2	5-
------	---	---	----

Great Falls Tribune.	Jan. 24, 1937. Count.
	June 13, 1937. Count.
	March 29, 1939. Count.
	April 12, 1940. Ground count.
	May 13, 1940. General population estimate.
	Sept. 10, 1941. Estimate.
	Dec. 27, 1942. Recommendations.
	April 20, 1943. Count.
	March 7, 1944. Estimates and harvests.
	Dec. 19, 1946. Survey and count.
	April 15, 1949. Estimate.
	Feb. 12, 1950. Aerial count.
·	March 18, 1950. Count.
	April 22, 1950. General population estimate
·	Aug. 15, 1950. General comment.
·································	Aug. 24, 1950. Estimate.
·	Jan. 21, 1954. Count.
·································	Feb. 16, 1954. Aerial count.
·	March 12, 1954. Aerial count.
······································	Aug. 31, 1954. General estimate.
•	April 3, 1958. Aerial counts.
	Feb. 8, 1959. Aerial count.
	April 27, 1959. Aerial count.
·	May 10, 1959. Counting policy.



-26-

Great Falls Tribune. Feb. 2, 1964. Survey and count.

____. March 19, 1964. Counting policy.

- Godfrey, H. 1945. W-studies, Flathead-1945 game study trip. Typed rep., MT. Fish and Game Dept. 11 pp.
- Haasch, H. 1943. Sun River herd elk count. Typed rep., MT. Fish and Game Dept. 2 pp.
- Hodder, R. L. 1955. Sun River Game Range Predevelopment Survey, Project W-37-R-6. Job Compl. Rep., MT. Fish and Game Dept. 46 pp.
- Knight, R. R. 1970. The Sun River elk herd. Wildl. Monog. 23: 66 pp.

Lovaas, A., J. L. Egan and R. R. Knight. 1966. Aerial counting of two Montana elk herds. J. Wildl. Mgmt. 30(2): 364-369.

- Lynch, R. and E. H. Buck. 1942. South Fork of the Flathead. Quart. rep., MT. Fish and Game Dept. 2 pp.
- Moy, M. 1943. Sun River elk herd count. Typed rep., MT. Fish and Game Dept. 2 pp.
- Neal, R. 1951. Sun River Game Range Development. Quart. rep., MT. Fish and Game Dept. Jan.-March: 111.
- Nixon, J. W. 1915. Sworn deposition. Typewritten. U.S.F.S., Lewis and Clark Natl. Forest.
- Pengelley, W. L. 1960. Elk populations problems in the Bob Marshall Wilderness Area. Coop. Wildl. Res. Unit, Univ. of MT.
- Picton, H. D. 1960. The Sun River: 1910-1960. Typed rep., MT. Fish and Game Dept. 76 pp.

. and R. R. Knight. 1971. A numerical index of winter conditions of use in big game management. Snow and Ice Symposium, Iowa State University, Ames, Ia. 8 pp.

Rognrud, M. 1948. Mountain goats and elk migration, aerial reconnaissance of the Continental Divide. Multilith rep., MT. Fish and Game Dept. 2 pp.



Rognrud, M. 1949. A big game management study in the continental and adjacent units. Quart. rep., MT. Fish and Game Dept. Oct.-Dec.

 1949. A study of big game in the continental and adjacent areas. MT. Fish and Game rep. 188 pp.

_____. 1953. Age classification and herd rate of increase. Quart. rep., MT. Fish and Game Dept. Oct.-Dec.: 111.

. 1954. Big game survey in areas lying east of the Continental Divide - including the Sun River, Dearborn, Canyon Creek, Teton and Badger Ranges. Quart. rep., MT. Fish and Game Dept. April-June: 187.

Rothweiler, R. A. 1965. Elk surveys 1963-1964 - District 4. Multilithed rep., MT. Fish and Game Dept. 19 pp.

Saunders, J. 1955. Central Montana big game surveys. Multilithed rep., MT. Fish and Game Dept. 3 pp.

. 1955. Census and survey of elk in the continental unit (East slope). Quart. rep., 6(2): 28.

Schallenberger, A. 1966. Elk surveys-1964-1965 - District 4. Multilithed rep., MT. Fish and Game Dept. 19 pp.

. 1967. Elk surveys, 1965-1966 - District 4. Multilithed rep., MT. Fish and Game Dept. 39 pp.

. 1968. Elk surveys, 1966-1967 - District 4. Multilithed rep., MT. Fish and Game Dept. 48 pp.

. 1969. Elk surveys, 1967-1968 - District 4. Multilithed rep., MT. Fish and Game Dept. 35 pp.

. 1970. Elk surveys, 1968-1969 - District 4. Multilithed rep., MT. Fish and Game Dept. 48 pp.

Schultz, W. and C. McNeal. 1941. Game studies, Sun River area, Nov. Typed rep., MT. Fish and Game Dept. 5 pp.

. 1941. Game studies-Sun River elk herd, Dec. Typed rep., MT. Fish and Game Dept. 5 pp.

. 1942. Sun River game range area. Typed rep., MI'. Fish and Game Dept. 9 pp.



Schultz, W. and C. McNeal. 1942. Game studies, Sun River area, Jan. Typed rep., MT. Fish and Game Dept. 6 pp.

. 1942. Sun River area game studies. Typed rep., MT. Fish and Game Dept. 7 pp.

. 1942. Sun River area game studies. Typed rep., MT. Fish and Game Dept. 4 pp.

Schultz, W. 1942. Sun River area quarterly report. Typed rep., MT. Fish and Game Dept. 8 pp.

. and C. McNeal. 1942. Sun River game investigation and Sun River weather record, 1941. Typed rep., MT. Fish and Game Dept. 36 pp.

Sperry, C. 1936. The Sun River Preserve and its elk herd. Typed rep., U. S. Biological Survey and MT. Fish and Game Dept. 24 pp.

Thompson, K. 1951. Elk survey - Canyon Creek, Lincoln, Dearborn. Multilithed rep., MT. Fish and Game Dept. 1 pp.

Elk Seasons

Cooney, R. F. 1941. Elk - Sun River - Complaints. Typed rep., MT. Fish and Game Dept. 4 pp.

Great Falls Tribune. Oct. 11, 1933. Recommendations.

. Nov. 23, 1937. Hunter harvest.

. May 11, 1938. Season change.

_____. April 13, 1940. Season set.

_____. Nov. 26, 1940. Harvest.

_____. Sept. 10, 1940. Recommendations.

_____. Jan. 3, 1942. Harvest.

. Dec. 4, 1942. Closure.

. Nov. 23, 1947. Closure.

. Oct. 1, 1950. Season set.



Great Falls Tribune.	Nov. 17, 1950. Special permits.
	Dec. 20, 1951. Special permits. Sept. 23, 1959. Quota.
	Oct. 10, 1961. Recommendations.
·	Dec. 21, 1962. Closure.
	Jan. 23, 1964. Recommendations.
	Dec. 9, 1964. Closure.
	Sept. 21, 1965. Quota.
	Dec. 1, 1965. Seasons.
	Oct. 15, 1970. Seasons.
·	Nov. 3, 1970. Seasons.

Elk Harvest

- Anon. 1950. Hunter harvest determination. Quart. rep., MT. Fish and Game Dept. Oct.-Dec.
- Cooney, R. F. 1941. Elk-winter elk range-Sun River area, Inspection report. Typed rep., MT. Fish and Game Dept. 4 pp.

Great Falls Tribune. Feb. 19, 1932. Harvest.

_____. Jan. 12, 1933. Damage control.

. Aug. 27, 1933. Harvest in smaller herds.

- _____. Aug. 27, 1933. Drawings.
- . Oct. 16, 1932. Harvest.
- _____. Sept. 16, 1936. Harvest.
- . Dec. 2, 1936. Harvest.
- _____. Nov. 16, 1937. Harvest.
- . Dec. 4, 1938. Harvest.

-29-



	-30-
Great Falls Tribune.	Jan. 23, 1942. Harvest.
	Nov. 15, 1946. Harvest.
·	Dec. 19, 1946. Harvest.
·	Nov. 18, 1947. Harvest.
·	Oct. 2, 1949. Harvest.
·	April 22, 1950. Harvest.
·	Nov. 17, 1950. Harvest (general)
·	Dec. 27, 1950. Harvest.
·	
·	Sept. 17, 1954. Recommendations.
·································	
	Nov. 18, 1956. Harvest.
·	Nov. 13, 1956. Harvest.
······································	Nov. 20, 1953. Harvest.
·································	Nov. 9, 1957. Harvest.
·	Nov. 30, 1957. Harvest.
·································	Jan. 6, 1958. Harvest.
·································	Oct. 30, 1959. Harvest.
·································	Oct., 1960. Quota and harvest.
·	Nov. 7, 1961. Harvest.
·	Nov. 21, 1961. Harvest.
·································	Dec. 4, 1962. Harvest.
	Dec. 11, 1962. Harvest.
·	Dec. 22, 1962. Harvest.

-30-



Great Falls Tribune.	Sept. 28, 1963. Quota.
·	Oct. 30, 1963. Harvest.
<u> </u>	Nov. 5, 1963. Harvest.
·	Nov. 19, 1963. Harvest.
	Nov. 28, 1963. Harvest.
	Nov. 19, 1964. Harvest.
	Nov. 26, 1964. Harvest.
	Oct. 27, 1965. Harvest.
································	Nov. 18, 1965. Harvest.
	Nov. 25, 1965. Harvest.
·································	Dec. 4, 1970. Harvest.
	Dec. 13, 1970. Harvest.
	Aug. 17, 1971. Harvest and quotas.

Other Elk References

- Anon. 1914. Forest guard questionnaire. Typed and handwritten. Lewis and Clark Natl. Forest, Great Falls, MT.
- Barnes, W. C. 1915. Letter to District Forester, Missoula. U.S.F.S., Lewis and Clark Natl. Forest, Great Falls, MT.
- Brandborg, S. and M. Rognrud. 1948. Aerial reconnaissance of Mountain goats and elk. Quart. rep., MT. Fish and Game Dept. April-June: 160.
- Casagranda, L. G. 1956. Elk completion report-District 4-1955-56. Multilithed rep., MT. Fish and Game Dept. 3 pp.
 - ., H. Picton and R. Janson. 1959. Elk surveys-1958-59-District 4. Multilithed rep., MT. Fish and Game Dept. 23 pp.

Cooney, R. 1946. Sun River-Flathead divide by air, supplement 4. Typed rep., MT. Fish and Game Dept. 4 pp.

-31-



Cooney, R. 1948. Game range development through salt distribution. Quart. rep., MT. Fish and Game Dept., April-June: 379-388.

Couey, F. 1946. Sun River Game Range inspection trip. Typed rep., MT. Fish and Game Dept. 5 pp.

. 1947. Sun River elk damage investigation. Typed rep., MT. Fish and Game Dept. 3 pp.

 . 1948. Flathead-Sun River unit range investigations -Sun River Conservation Committee. Typed rep., MT. Fish and Game Dept. 3 pp.

Everin, W. and R. Cooney. 1951. Aerial inspection - Sun River big game range between Helena and the Sun River. Typed rep., MT. Fish and Game Dept. 2 pp.

Fellows, W. G. 1915. Letter. Field and Stream, February: 1079.

- Fleming, 1915. Letter to Forest Supervisor, Lewis and Clark National Forest, U.S.F.S.
- Gaffney, W. S. 1941. The effects of winter elk browsing, South Fork of the Flathead River. J. Wildl. Mgmt. 5(4): 427-453.
- Greene, G. 1968. Cattle and big game graze together in the Sun River area. 21st An. Conv. Amer. Soc. Range Mgmt. 9 pp.

Great Falls Tribune. June 20, 1955. Bison range elk.

Park. March 28, 1926. Feeding of animals in Glacier

 .
 Feb. 3, 1928. Elk range.

 .
 Oct. 6, 1932. Problems.

 .
 Oct. 6, 1932. Problems.

 .
 Aug. 4, 1936. Spotted Bear Game Preserve.

 .
 Nov. 24, 1936. Game Preserve.

 .
 June 13, 1937. Calf tagging.

 .
 Jan. 8, 1939. Calf tagging.

 .
 March 20, 1939. Range and winter.



Great Falls Tribune.	June 7, 1939. Calf tagging.
	Dec. 18, 1940. Herding.
	June 12, 1941. Elk damage.
	April 16, 1942. Elk control.
·	June 19, 1942. Salting.
·	April 20, 1943. Elk meat sold.
	June 3, 1947. Salting.
·	May 1, 1948. Salting.
	May 1, 1949. Range.
·	March 21, 1950. Numbers.
·	Feb. 25, 1951. Age study.
·································	Aug. 18, 1951. Range inspection.
·································	April 22, 1952. Range inspection.
·	June 4, 1954. Winter range.
·	Aug. 17, 1954. Range inspection.
	Nov. 27, 1955. Photos.
	Jan. 23, 1959. Game Preserve.
	Sept. 2, 1959. Kill controversy.
	March 29, 1960. Study.
	Aug. 9, 1961. Elk study.
	Sept. 25, 1961. Range inspection.
	Jan. 14, 1963. Letter to Editor.
·	April 29, 1963. Range use.
·	Nov. 21, 1963. Management conflict.

-33-



Great Falls Tribune.	Jan. 5, 1964.	Tagging.
	Jan. 21, 1964.	Transplant.
	Nov. 25, 1964.	Court injunction.
·	Jan. 11, 1964.	Trapping.
·	Jan. 13, 1965.	Letter to Editor.
·	July 14, 1965.	Dams.

- Janson, R. and L. G. Casagranda. 1957. A partial evaluation of salting for elk management in the vicinity of the Sun River Game Range. Typed rep., MT. Fish and Game Dept. 3 pp.
- Janson, R. G. 1961. The Sun River elk herd: A review of information and a management plan. Montana Fish and Game Dept. Typewritten report. 11 pp.
- ______. 1961. The Sun River elk herd: A review of information and a management plan. Typed rep., MT. Fish and Game Dept. 11 pp.
- Martin, B. P. 1933. Elk management plan for the Sun River. U. S. Forest Service and MT. Fish and Game Dept., Typed rep. 24 pp.
- McDowell, L. E. 1943. Sun River elk herd migration study. Typed rep., MT. Fish and Game Dept. 12 pp.
- Neal, B. 1915. Affidavit to forest supervisor, Lewis and Clark National Forest, U.S.F.S.
- _____. 1955. Final report for development projects. Multilith rep., MT. Fish and Game Dept. 1 pp.
- Picton, H. D. 1960. The Sun River: 1910-1960. Typewritten report, MT. Fish and Game Dept. 76 pp.

. 1960. Elk surveys; 1959-60; project W-74-R-5. Job Compl. rep., MT. Fish and Game Dept. 25 pp.

- . 1960. Migration patterns of the Sun River elk herd. J. Wildl. Mgmt. 24(3): 279-290.
- . 1961. Differential hunter harvest in two Montana herds. J. Wildl. Mgmt. 25(4): 415-421.

-34-



Picton, H. D. and R. Knight. 1961. Elk and Bear surveys; 1960-61; Job Compl. rep., project W-74-R-6. MT. Fish and Game Dept., Multilithed report. 38 pp.

Rognrud, M. 1948. Elk calf tagging, Sun River. Quart. rep., MT. Fish and Came Dept. July-Sept.: 33-36.

 1954. Tagging and release of elk in the upper South Fork of the Flathead and Sun River. Quart. rep., MT. Fish and Game Dept. Page 200.

. 1954. Western Montana big game surveys. Multilith rep., MT. Fish and Came Dept. 1 pp.

. 1959. Evaluation of big game salt as a management tool. Typed rep., MT. Fish and Game Dept. 3 pp.

1963. Elk surveys; project W-74-R-8. Compl. rep., MT.
 Fish and Game Dept. 21 pp.

Rutledge, R. H. 1915. Letter of Feb. 11. U.S.F.S., Lewis and Clark Natl. Forest, Great Falls, MT.

Saunders, J. 1955. Central Montana big game surveys. Multilith rep. 2 pp.

. 1955. Elk trapping and tagging in the Sun River Game Range. Quart. rep., MT. Fish and Game Dept. 6(2): 33.

., D. Brown, B. Goodman and R. Neal. 1956. Salt report. Typed rep., MT. Fish and Game Dept. 1 pp.

Schultz, W. and C. McNeal. 1942. Weather conditions and effect on elk, Sun River area. Typed rep., MT. Fish and Game Dept. 4 pp.

Smith, G. A. 1930. The Sun River elk herd. J. Forest. 28(5): 644-647.

Spaulding, T. C. 1915. Informal working plan data. Typed rep., Lewis and Clark Natl. Forest, Great Falls, MT. 25 pp.

Youngs, H. S. 1917. Progress report for 1916, Ford Creek allotment. Typed rep., U.S.F.S., Lewis and Clark Natl. Forest, Creat Falls, MT. 13 pp.



Zajanac, A. and S. Brandborg. 1948. Flathead-Sun River unitvegetative readiness and elk migrations in Indian Creek and the West Fork of the Sun River. Quart. rep., MT. Fish and Game Dept. July-Sept.: 28-32.

-36-



DEER REFERENCES (WHITETAILED AND MULE DEER)

Anon. 1948. Cumulative record of big game data. Quart. rep., MT. Fish and Game Dept. April-June: 12 pp.

_____. 1950. Hunter harvest determination. Quart. rep., MT. Fish and Game Dept. Oct.-Nov.

____. 1967. Deer surveys, 1966-1967 - District 4. Multilithed rep., MT. Fish and Game Dept. 53 pp.

____. 1946. Sun River elk count. Typed report, MT. Fish and Game Dept. 4 pp.

 1949. Big game sex and age classification and range investigations - Sun River area. Quart. rep., MT. Fish and Game Dept. Oct.-Dec.

____. 1951. Cumulative record of big game data. Quart. rep., MT. Fish and Game Dept.: 17-28.

_____. 1952. Statistics, state-wide cumulative record of big game data. Quart. rep., MT. Fish and Game Dept. 3(2): 38.

_____. 1952. Bighorn sheep count (Flathead-Sun River unit). Quart. rep., MT. Fish and Game Dept. Oct.-Dec.: 126.

Feist, F. 1970. Deer surveys, 1968-1969 - District 4. Multilithed rep., MT. Fish and Game Dept. 53 pp.

Foss, A. and M. Rognrud. 1963. Deer surveys, 1962-1963 - District 4. Multilithed rep., MT. Fish and Game Dept. 29 pp.

Godfrey, H. 1945. W-studies, Flathead - 1945 Game study trip. Typed rep., MT. Fish and Game Dept. 11 pp.

Great Falls Tribune. Feb. 19, 1932. Harvest.

. Sept. 26, 1935. Buck law.

. Jan. 4, 1936. Observations.

. Oct. 16, 1936. Harvest.

_____. April 12, 1940. Observations.



Great Falls Tribune. May 13, 1940. Population estimates.
Jan. 3, 1942. Harvest.
April 16, 1942. Population levels.
Dec. 19, 1946. Harvest.
. Dec. 19, 1946. Observations.
Oct. 2, 1949. Harvest.
April 22, 1950. Harvest.
Nov. 17, 1950. Harvest.
. Nov. 17, 1950. Special drawings.
Dec. 27, 1950. Harvest.
. Dec. 17, 1952. Either sex seasons.
Nov. 20, 1953. Harvest.
Aug. 31, 1954. Harvest.
Nov. 9, 1957. Harvest.
Nov. 18, 1956. Harvest.
Nov. 21, 1961. Harvest.
Dec. 4, 1962. Harvest.
Dec. 11, 1962. Harvest.
Oct. 30, 1963. Harvest.
Nov. 5, 1963. Harvest.
Nov. 28, 1963. Harvest.

-38-



Great Falls Tribune. July 14, 1965. Flood and deer.

- Haasch, H. 1943. Sun River herd elk count. Typed rep., MT. Fish and Game Dept. 2 pp.
- Janson, R. 1958. Deer surveys, 1957-1958 District 4. Multilithed rep., MT. Fish and Game Dept. 13 pp.
- . and H. D. Picton. 1961. Deer surveys, 1960-1961 District 4. Multilithed rep., MT. Fish and Game Dept. 33 pp.
- Lynch, R. and E. H. Buck. 1942. South Fork of the Flathead. Quart. rep., MT. Fish and Game Dept. 2 pp.
- Mitchell, J. L. 1966. Deer surveys, 1964-1965 District 4. Multilithed rep., MT. Fish and Game Dept. 28 pp.
- Moy, M. 1943. Sun River herd elk count. Typed rep., MT. Fish and Game Dept. 2 pp.
- Rognrud, M. 1949. A study of big game in the Continental and adjacent areas. MT. Fish and Game Dept. 188 pp.
 - ______. and A. Foss. 1962. Deer surveys, 1961-1962 District 4. Multilithed rep., MT. Fish and Game Dept. 30 pp.
- Rothweiler, R. 1965. Deer surveys, 1963-1965 District 4. Multilithed rep., MT. Fish and Game Dept. 27 pp.
- Saunders, J. K. 1955. Deer (Northern). Quart. rep., MT. Fish and Game Dept. 6(2): 24.
- Schallenberger, A. 1972. Deer surveys; District 4; Job progress rep., MT. Fish and Game Dept. 51 pp.

., C. R. Watts and F. Feist. 1970. Deer surveys, 1969-1970 – District 4. Multilithed rep., MT. Fish and Game Dept. 65 pp.

. 1972. Deer surveys, 1970-1971 - District 4. Multilithed rep., MT. Fish and Game Dept. 53 pp.

. 1972. Deer surveys, 1971-1972 - District 4. Multilithed rep., MT. Fish and Game Dept. 51 pp.



- Schallenberger, A., C. R. Watts, F. Feist and G. Erickson. 1973. Deer surveys, 1972-1973 - District 4. Multilithed rep., MT. Fish and Game Dept. 102 pp.
- Schultz, W. and C. McNeal. 1942. Sun River game investigation and Sun River weather record - 1941. Typed rep., MT. Fish and Game Dept. 36 pp.

. 1942. Sun River area game study. Typed rep., MT. Fish and Game Dept. 4 pp.

. 1942. Sun River game range area. Typed rep., MT. Fish and Game Dept. 9 pp.

- Schultz, W. 1942. Sun River area quarterly report. Typed rep., MT. Fish and Game Dept. 8 pp.
- Thompson, W. K. 1951. Elk survey Canyon Creek Lincoln Dearborn. MT. Fish and Game Dept. 1 pp.
- Weigand, J. P. 1966. Deer surveys, 1965-1966 District 4. Multilithed rep., MT. Fish and Game Dept. 37 pp.

Weigand, J. and F. Feist. 1969. Deer surveys, 1967-1968 - District 4. Multilithed rep., MT. Fish and Game Dept. 56 pp.



MOUNTAIN SHEEP REFERENCES

Anon. 1939. Plans for first four day count - spring elk count 1939. Typed rep., MT. Fish and Game Dept. 2 pp.

_____. 1948. Cumulative record of big game data. Quart. rep., MT. Fish and Game Dept. April-June. 12 pp.

Brandborg, S. and M. Rognrud. 1948. Aerial reconnaissance of mountain goats and elk. Quart. rep., MT. Fish and Game Dept. April-June: 160.

Buchner, H. K. 1960. The bighorn sheep in the United States, its past, present and future. Wildl. Monog. 4: 174 pp.

_____. 1940. Winter elk range - Sun River area. Typed rep., MT. Fish and Game Dept. 4 pp.

. 1941. Elk-Sun River herd, electric fence - West Fork lick. Typed rep., MT. Fish and Game Dept. 3 pp.

Couey, F. 1944. Sun River big game range studies and bighorn sheep census. Typed rep., MT. Fish and Game Dept. 6 pp.

_____. 1946. Sun River elk count. Typed rep., MT. Fish and Game Dept. 4 pp.

_____. 1950. Aerial reconnaissance, Sun River elk herd. MT. Fish and Game Dept. Quart. rep. Jan.-March: 71-74.

_____. 1952. Bighorn sheep count (Flathead-Sun River unit). Quart. rep., MT. Fish and Game Dept. Oct.-Dec.: 26.

_____. 1952. Statistics - Statewide cumulative record of big game data. Quart. rep., MT. Fish and Game Dept. 3(2): 38.

Erickson, G. L. 1972. The ecology of Rocky Mountain bighorn sheep in the Sun River area of Montana with special reference to summer food habits and range movements. Master's thesis, Montana State University, Bozeman. 50 pp.



- Erickson, G. L., C. R. Watts, A. Schallenberger and F. Feist. 1973. Antelope, mountain goats, bighorn sheep, moose and bear, 1972-1973 - District 4. Multilithed rep., MT. Fish and Game Dept. 64 pp.
- Foss, A. J. 1962. Antelope, bighorn sheep, mountain goats, bear and moose job completion report, project W-74-R-7. Montana Fish and Game Dept. Multilithed report. 10 pp.
- . 1963. Antelope, bighorn sheep, mountain goats, bear and moose, 1961-1962 - District 4. Multilithed rep., MT. Fish and Game Dept. 9 pp.
- Frisina, M. R. 1974. Ecology of bighorn sheep in the Sun River area of Montana during fall and spring. Master's thesis, Montana State University, Bozeman. 65 pp.
- Gaab, J. E. 1955. Sun River bighorn sheep census. Quart. rep., MT. Fish and Game Dept. 6(2): 40.
- Great Falls Tribune. March 28, 1926. Sheep feeding Glacier N. P.

. Feb. 3, 1928. Dieoff and disease.

- _____. Oct. 6, 1935. Open Game Preserve.
- . April 12, 1940. Sheep observations.
- . May 13, 1940. Sheep restoration.
- _____. Dec. 19, 1946. Sheep observations.
- . May 1, 1949. Winter range.

. April 1, 1950. Sheep observations.

. April 22, 1950. Statewide population estimates.

- _____. Nov. 20, 1953. Sheep harvest.
- _____. June 4, 1954. Sheep status.
- _____. Aug. 31, 1954. Statewide population estimates.
- _____. Nov. 9, 1957. Sheep harvest.
 - _____. May 10, 1959. Season recommendations.



Great Falls Tribune.	Nov. 21, 1961. Sheep harvest.
•	Dec. 4, 1962. Sheep harvest.
·	Oct. 30, 1963. Sheep harvest.
·	Nov. 5, 1963. Sheep harvest.
·	Nov. 28, 1963. Sheep harvest.
	Nov. 25, 1965. Sheep harvest.

- Janson, R. 1960. Antelope, bighorn sheep, mountain goats and moose -District 4, 1959-1960. Multilithed rep., MT. Fish and Game Dept. 7 pp.
- Knight, R. R. 1970. The Sun River elk herd. Wildl. Monog. 23: 66 pp.

-43-

Martin, N. 1966. Antelope, bighorn sheep, mountain goats and bear, 1964-1965. Multilithed rep., MT. Fish and Game Dept. 12 pp.

 . 1967. Antelope, bighorn sheep, mountain goats and bear, 1965-1966 - District 4. Multilithed rep., MT. Fish and Game Dept. 12 pp.

. 1968. Antelope, bighorn sheep, mountain goats and bear, 1966-1967 - District 4. Multilithed rep., MT. Fish and Game Dept. 15 pp.

 1969. Antelope, mountain goats, bighorn sheep and bear, 1967-1968 - District 4. Multilithed rep., MT. Fish and Game Dept. 17 pp.

 . 1969. Antelope, mountain goats, bighorn sheep and bear, job comp. rep., project W-74-R-13. MT. Fish and Game Dept. 5 pp.

Rognrud, M. 1949. A study of big game in the Continental and adjacent units. MT. Fish and Game Dept. Rep. 188 pp.

. 1953. Mountain sheep census and distribution - herd classification and sex ratio determination. 141 pp.

. 1954. Mountain sheep census and distribution. Quart. rep., MT. Fish and Game Dept.: 209.



Rognrud, M. 1954. Characteristics of natural licks used by wildlife in Montana. Quart. rep., MT. Fish and Game Dept. April-June: 237.

_____. 1954. Mountain sheep herd classification and sex ratio determination. Quart. rep., MT. Fish and Game Dept.: 211.

. 1954. Value of salt in mountain sheep management. Quart. rep., MT. Fish and Game Dept. April-June: 216.

Watts, R., A. Schallenberger and F. Feist. 1971. Proj. 130-R-1; Antelope, mountain goats, bighorn sheep and bear - District 4. MT. Fish and Game Dept. Multilithed rep. 64 pp.



BLACK AND GRIZZLY BEAR REFERENCES

Anon. 1948. Cumulative record of big game data. Quart. rep., MT. Fish and Game Dept. April-June: 12 pp.

____. 1950. Hunter harvest determination. Quart. rep., MT. Fish and Game Dept. Oct.-Nov.

Brandborg, S. and M. Rognrud. 1948. Aerial reconnaissance of mountain goats and elk. Quart. rep., MT. Fish and Game Dept. April-June: 160.

Cooney, R. 1944. Chinese wall, Sun River elk herd migration study, Supplement 1. Typed rep., MT. Fish and Game Dept. 4 pp.

. 1945. Chinese wall, Sun River elk herd migration study, Supplement 3. Typed rep., MT. Fish and Game Dept. 2 pp.

Couey, F. 1946. Sun River elk count. Typed rep., MT. Fish and Game Dept. 4 pp.

. 1951. Cumulative record of big game data. Quart. rep., MT. Fish and Game Dept.: 17-28.

_____. 1952. Statistics - Statewide cumulative record of big game data. Quart. rep., MT. Fish and Game Dept. 3(2): 38.

Erickson, G., C. R. Watts, A. Schallenberger and F. Feist. 1973. Antelope, mountain goats, bighorn sheep, moose and bear, 1972-1973 - District 4. Multilithed rep., MT. Fish and Game Dept. 64 pp.

Foss, A. 1963. Antelope, bighorn sheep, mountain goats, bear and moose, 1961-1962 - District 4. Multilithed rep., MT. Fish and Game Dept. 9 pp.

Great Falls Tribune. Sept. 19, 1885. Grizzlies.

. Sept. 19, 1885. Wolves and grizzlies.

. May 13, 1940. Population estimates.

. Jan. 3, 1942. Harvest.

_____. April 22, 1950. Harvest.



Great Falls Tribune.	Nov. 17, 1950. Harvest.
<u> </u>	Dec. 27, 1950. Harvest.
<u> </u>	Dec. 2, 1951. Harvest.
	Nov. 20, 1953. Harvest.
·	Aug. 31, 1954. Population estimates.
	Oct. 23, 1956. Grizzly incident.
	Nov. 5, 1956. Harvest.
	Nov. 18, 1956. Harvest.
<u> </u>	Nov. 9, 1957. Harvest.
	Dec. 4, 1962. Harvest.
	Oct. 30, 1963. Harvest.
·	Nov. 5, 1963. Harvest.
·	Nov. 28, 1963. Harvest.

- Marshall, P. 1955. Grizzly bear survey. Quart. rep., MT. Fish and Game Dept. 6(1): 112.
- Martin, N. 1966. Antelope, bighorn sheep, mountain goats and bear, 1964-1965. Multilithed rep., MT. Fish and Game Dept. 12 pp.

. 1967. Antelope, bighorn sheep, mountain goats and bear, 1965-1966 - District 4. Multilithed rep., MT. Fish and Game Dept. 12 pp.

. 1968. Antelope, bighorn sheep, mountain goats and bear, 1966-1967 - District 4. Multilithed rep., MT. Fish and Game Dept. 15 pp.

. 1969. Antelope, mountain goats, bighorn sheep and bear, 1967-1968 - District 4. Multilithed rep., MT. Fish and Game Dept. 17 pp.

. 1969. Antelope, mountain goats, bighorn sheep and bear, Job. Compl. rep., Project W-74-R-13. Montana Fish and Game Dept. 5 pp.

-46-



Rognrud, M. 1953. Age classification and herd rate of increase. Quart. rep., MT. Fish and Game Dept. Oct.-Dec.: 111.

_____. 1955. Grizzly bear survey. Quart. rep., MT. Fish and Game Dept.: 113-125.

Rothweiler, R. A. 1965. Antelope, bighorn sheep, mountain goats and bear, 1963-1964 - District 4. Multilithed rep., MT. Fish and Game Dept. 9 pp.

Saunders, J. K. 1955. Grizzly bear investigations - Continental Unit. Quart. rep., MT. Fish and Game Dept. 6(2): 23.

Stockstad, D. S. 1964. Grizzly bear investigation and recheck. Quart. rep., MT. Fish and Game Dept. April-June: 223.

Sun River Sun. October 2, 1884. Wolves and grizzlies.

Watts, C. R. 1970. Antelope, mountain goats, bighorn sheep and bear, 1968-1969 - District 4. Multilithed rep., MT. Fish and Game Dept. 11 pp.

., A. Schallenberger and F. Feist. 1971. Antelope, mountain goars, bighorn sheep and bear, 1969-1970 - District 4. Multilithed rep., MT. Fish and Game Dept. 64 pp.

- 1972. Antelope, mountain goats, bighorn sheep, moose and bear, 1970-1971 -District 4. Multilithed rep., MT. Fish and Game Dept. 63 pp.

. 1973. Antelope, mountain goats, bighorn sheep, moose and bear, 1971-1972 -District 4. Multilithed rep., MT. Fish and Game Dept. 121 pp.



REFERENCES PERTAINING TO OTHER SPECIES

Anon. 1948. Cumulative record of big game data. Quart. rep., MT. Fish and Game Dept. April-June: 12 pp.

- _____. 1950. Hunter harvest determination. Quart. rep., MT. Fish and Game Dept.
- Casebeer, R., M. Rognrud and S. Brandborg. 1950. Rocky Mountain Goats in Montana. MT. Fish and Game Dept. 107 pp.
- Cooney, R. 1944. Chinese wall, Sun River elk herd migration study, Supplement 1. Typed rep., MT. Fish and Game Dept. 4 pp.

Couey, F. 1951. Cumulative record of big game data. Quart. rep., MT. Fish and Game Dept.: 17-28.

_____. 1952. Statistics - Statewide cumulative record of big game data. Quart. rep., MT. Fish and Game Dept. 3(2): 38.

Erickson, G., C. R. Watts, A. Schallenberger and F. Feist. 1973. Antelope, mountain goats, bighorn sheep, moose and bear, 1972-1973 - District 4. Multilithed rep., MT. Fish and Game Dept. 64 pp.

Foss, A. 1963. Antelope, bighorn sheep, mountain goats, bear and moose, 1961-1962 - District 4. Multilithed rep., MT. Fish and Game Dept. 9 pp.

Godfrey, H. 1945. W-studies, Flathead - 1945 game study trip. Typed rep., MT. Fish and Game Dept. 11 pp.

Goers, G. 1948. Flathead-Sun River unit: preliminary census of Rocky Mountain Goats. Quart. rep., MT. Fish and Game Dept. July-Sept., 1948: 17-28.

Great Falls Tribune. May 3, 1925. Bullfrogs.

. March 28, 1926. Feeding in Glacier N. P. . Dec. 12, 1930. Annual report. . Oct. 6, 1932. Elk and beaver. . Oct. 10, 1935. Coyote and wolf bounties.



Great Falls Tribune.	Sept. 16, 1936. Sheep and goat hunting.
	May 13, 1940. Population estimates.
·	Jan. 3, 1942. Harvest.
·································	April 25, 1943. Goat season.
·································	April 22, 1950. Harvest.
·	April 22, 1950. Population estimates.
	Oct. 1, 1950. Seasons.
·	Nov. 17, 1950. Harvest.
·	Dec. 2, 1951. Harvest.
·	Feb. 3, 1953. Predator bounties.
	April 28, 1953. Wolverines.
·•	Nov. 20, 1953. Harvest.
•	Aug. 31, 1954. Population estimates.
································	Nov. 5, 1956. Harvest.
	Nov. 18, 1956. Harvest.
	Nov. 9, 1957. Harvest.
	Nov. 21, 1961. Harvest.
·································	Dec. 4, 1962. Harvest.
	Oct. 30, 1963. Harvest.
·	Nov. 5, 1963. Harvest.
·	Nov. 28, 1963. Harvest.

Janson, R. 1960. Antelope, bighorn sheep, mountain goats and moose -District 4, 1959-1960. Multilithed rep., MT. Fish and Game Dept. 7 pp.

-49-



Martin, N. 1966. Antelope, bighorn sheep, mountain goats and bear, 1964-1965. Multilithed rep., MT. Fish and Game Dept. 12 pp.

. 1967. Antelope, bighorn sheep, mountain goats and bear, 1965-1966 - District 4. Multilithed rep., MT. Fish and Game Dept. 12 pp.

 1968. Antelope, bighorn sheep, mountain goats and bear, 1966-1967 - District 4. Multilithed rep., MT. Fish and Game Dept. 15 pp.

 . 1969. Antelope, mountain goats, bighorn sheep and bear, 1967-1968 - District 4. Multilithed rep., MT. Fish and Game Dept. 17 pp.

 1969. Antelope, mountain goats, bighorn sheep and bear, job completion report, project W-74-R-13. Montana Fish and Game Dept. 5 pp.

Rognrud, M. 1948. Mountain goats and elk migration - aerial reconnaissance of the Continental Divide. Typed rep., MT. Fish and Game Dept. 2 pp.

. 1949. A study of big game in the Continental and adjacent areas. MT. Fish and Game Dept. 188 pp.

_____. 1953. Age classification and herd rate of increase. Quart. rep., MT. Fish and Game Dept. Oct.-Dec. 19: 111.

 1954. Study of movements and migration of mountain goats-age determination by tooth wear and replacement. Quart. rep., MT. Fish and Game Dept.: 215.

Rothweiler, R. A. 1965. Antelope, bighorn sheep, mountain goats and bear, 1963-1964 - District 4. Multilithed rep., MT. Fish and Game Dept. 9 pp.

Saunders, J. 1955. Bighorn sheep investigations. Quart. rep., MT. Fish and Game Dept. 6(2): 38.

. 1955. Goat census - Sun River area. Quart. rep., MT. Fish and Game Dept. 6(2): 36.

Schallenberger, A. D. 1966. Food habits, range use and interspecific relationships of bighorn sheep in the Sun River area of west central Montana. Master's thesis, Montana State University, Bozeman, MT. 44 pp.



- Schultz, W. and C. McNeal. 1942. Sun River game investigation and Sun River weather record - 1941. Typed rep., MT. Fish and Game Dept. 36 pp.
- Sperry, C. 1936. The Sun River Preserve and its elk herd. Typed rep., U. S. Biological Survey. 24 pp.
- Watts, C. R., A Schallenberger and F. Feist. 1971. Antelope, mountain goats, bighorn sheep and bear, 1969-1070 - District 4. Multilithed rep., MT. Fish and Game Dept. 64 pp.

. 1972. Antelope, mountain goats, bighorn sheep, moose and bear, 1970-1971 - District 4. Multilithed rep., MT. Fish and Game Dept. 63 pp.

. 1973. Antelope, mountain goats, bighorn sheep, moose and bear, 1971-1972 - District 4. Multilithed rep., MT. Fish and Game Dept. 121 pp.

